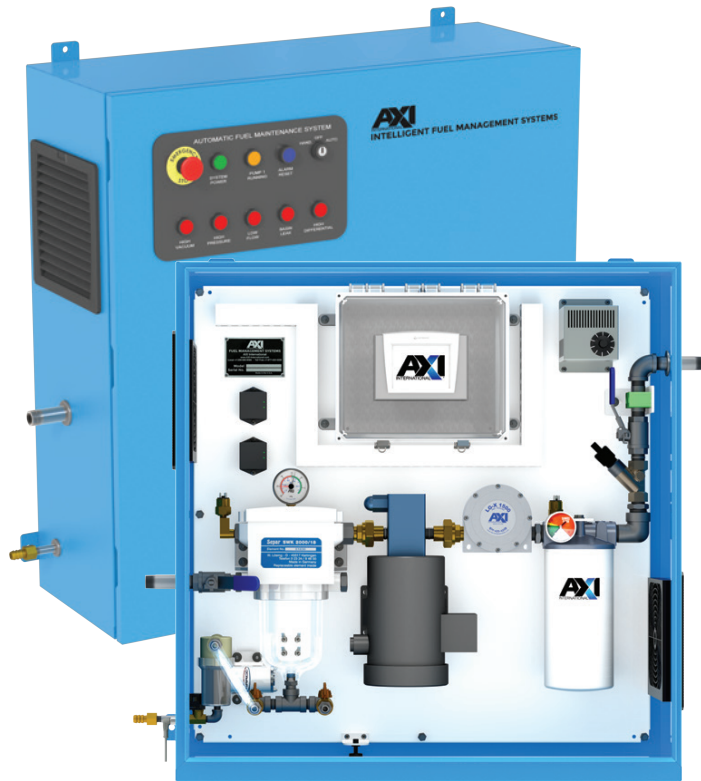




# STS 7004

Enclosed Automated Fuel Maintenance Systems

The STS 7004 Programmable Automated Fuel Maintenance System is designed to optimize and maintain diesel fuel indefinitely. Adding an STS 7004 system will remove particulate, separate water, and condition the fuel. This innovative process stabilizes diesel and bio-fuels, eliminates microbial contamination, and ensures clean reliable fuel at all times.



## STS 7004 SPECIFICATIONS

Flow Rate (@60Hz)	4 GPM/240 GPH (15.1 LPM/908 LPH)
Primary Filter/Water Separator	10 or 30µ Hydrophobic Particulate or 60µ Stainless Steel Screen with Centrifugal Water Separator
Secondary Filter/Water Block	1, 3, 10 or 25µ Particulate or 3, 10µ Water Block
Fuel Conditioner	LG-X 1500 Inline Conditioner
System Controller	HMI PLC Controller with Touch-Screen and Remote Monitoring, Modbus, TCP/IP LAN and Internet Capability
Pump	1/3 HP Gear Pump
Power	120V/60Hz/15A or 230V/50Hz/15A
Plumbing	Stainless Steel
Ports	3/4" NPT In 3/4" NPT Out
Enclosure Cabinet	NEMA 12 (IP55), 13 (IP65), 4 (IP66), and 4X (IP66) Powder Coat or Stainless Steel
Dimensions	36" x 36" x 12" (H x W x D) (91 x 91 x 30 cm)
Weight	≈ 305 lbs (138.3 kg)
<b>Not for use with fluids that have a flash point below 100°F (37.8°C).</b>	

## STS 7000 SERIES SAFETY FEATURES:

- Automatic Alerts
- Pump Shut Down When Filters Need Service
- Leak Detection
- Water Detection
- High Pump Vacuum
- High Pump Pressure
- Low Fuel Flow Alert
- Emergency Stop
- External Shutdown
- Locking Door

## SMART FILTRATION CONTROLLERS:

- Email & SMS Maintenance Alert Capability
- Maintenance Alert Log File
- Runtime Totalizer
- Alarm History
- On-Screen Help

## STS 7004 FEATURE:

- Multi-stage Water Removal and Particulate Filtration
- NEMA 12,13, 4, 4X Powder Coated or Stainless Enclosure
- UL508A Smart Filtration Controller
- Stainless Steel Plumbing



1.239.690.9589  
1.877.425.4239 Toll Free  
www.AXI-International.com

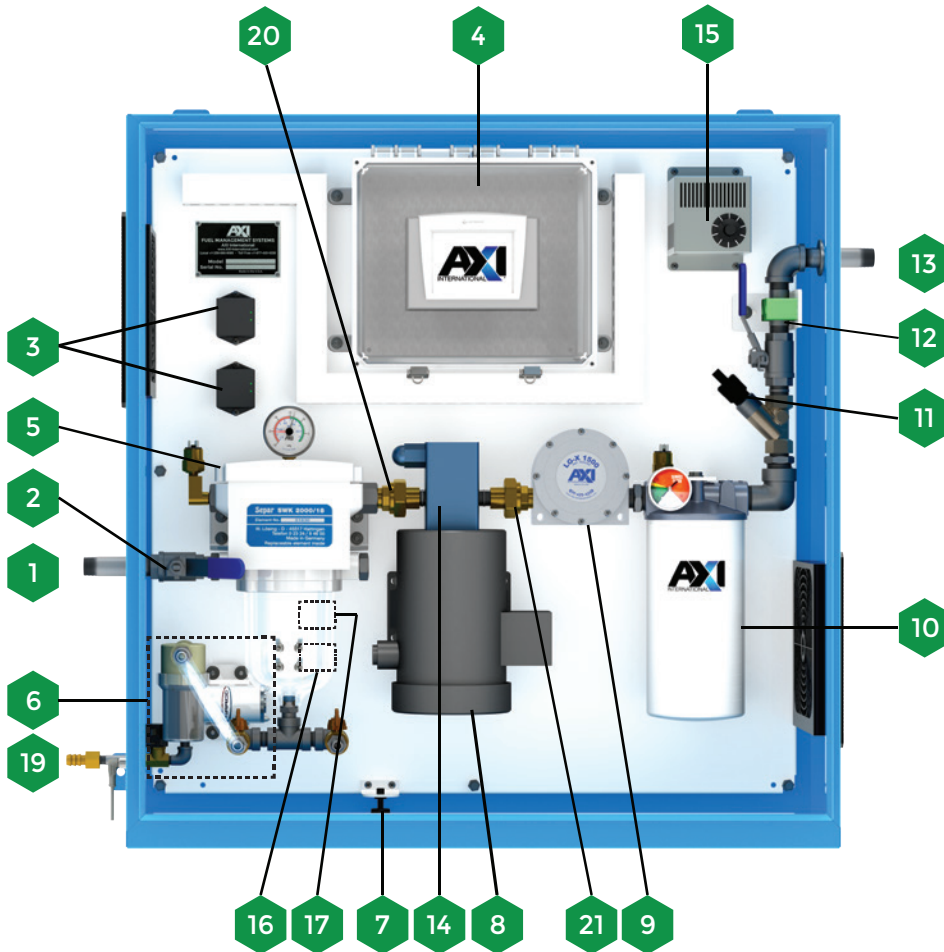
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1. Fuel Inlet (From Tank)
2. Inlet Ball Valve
3. WATECT Water Sensors
4. HMI Touchscreen Controller
5. Primary Filter/Water Separator
6. Auto Water Drain (Optional)
7. Leak Detector
8. Pump Motor
9. AXI Inline LG-X 1500 Conditioner
10. Secondary Filter
11. Inline Flow Switch
12. Outlet Ball Valve
13. Fuel Outlet (Discharge)
14. Gear Pump
15. Enclosure Heater (Optional)
16. Lower Water Probe
17. Upper Water Probe
18. 15 Gallon Waste Water Storage Tank (Not Shown, Optional)
19. Waste Water Outlet (Optional)
20. Vacuum Switch (Behind Union)
21. Pressure Switch (Behind Union)

### STS 7004 OPTIONS:

- AFC 705/710 Fuel Catalyst
- Automatic Water Drain System
- Stainless Steel Enclosure
- Multi-Tank (Up to 2 Tanks)
- Cabinet Heater
- Cabinet Color Options
- Stand

### REPLACEMENT FILTER OPTIONS:

Primary Filter	Part No.	Secondary Filter	Part No.
10 $\mu$ Filter Element	01810	3 $\mu$ Water Block Filter	WB-3
30 $\mu$ Filter Element	01830	10 $\mu$ Water Block Filter	WB-10
60 $\mu$ Filter Element	01860	1 $\mu$ Fine Filter	FF-1
		3 $\mu$ Fine Filter	FFZ-3
		10 $\mu$ Fine Filter	FF-10

### STS SYSTEM INTEGRATION:

